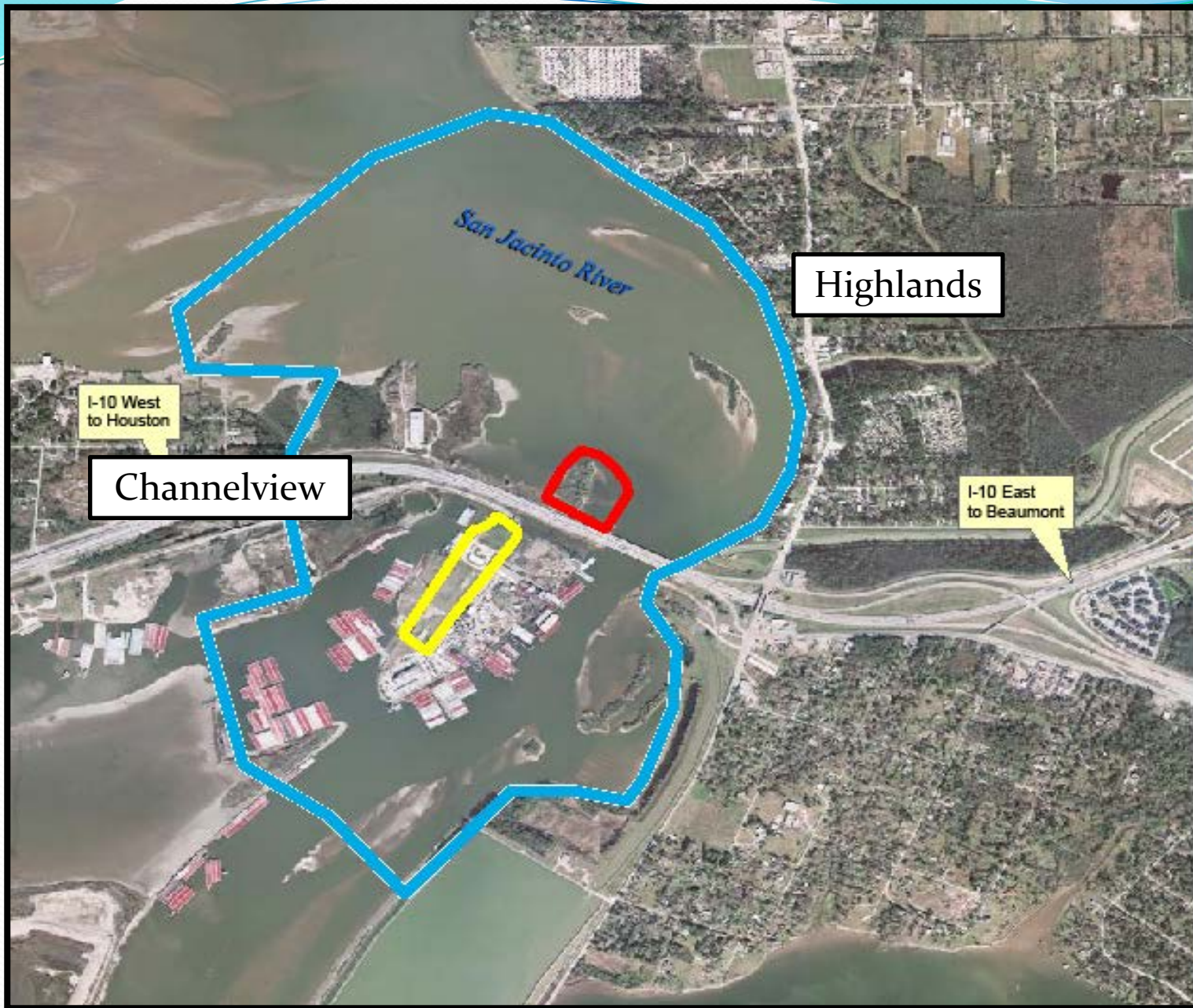


San Jacinto River Waste Pits Superfund Site



San Jacinto River Waste Pits Location Map



- Legend
- Preliminary Perimeter
 - Northern Impoundment Perimeter
 - Southern Impoundment Perimeter



Sources:
Aerial Photo: Digital Globe, 12/01/2007
Northern Impoundment: HPA R6 GIS
digitized from Univ of Houston Power
Point Presentation
Southern Impoundment: HPA R6 GIS
digitized from 1964 aerial photograph.

EPA makes no claims as to the
accuracy of the data or its suitability
for any particular use.

Map created: June 11, 2009



EPA Region 6
GIS Support Team
Dallas, Texas
20090611ML02





San Jacinto River Waste Pits

South
Impoundment
1965

Northern Waste Pits Before Cap



North Waste Pits After Cap

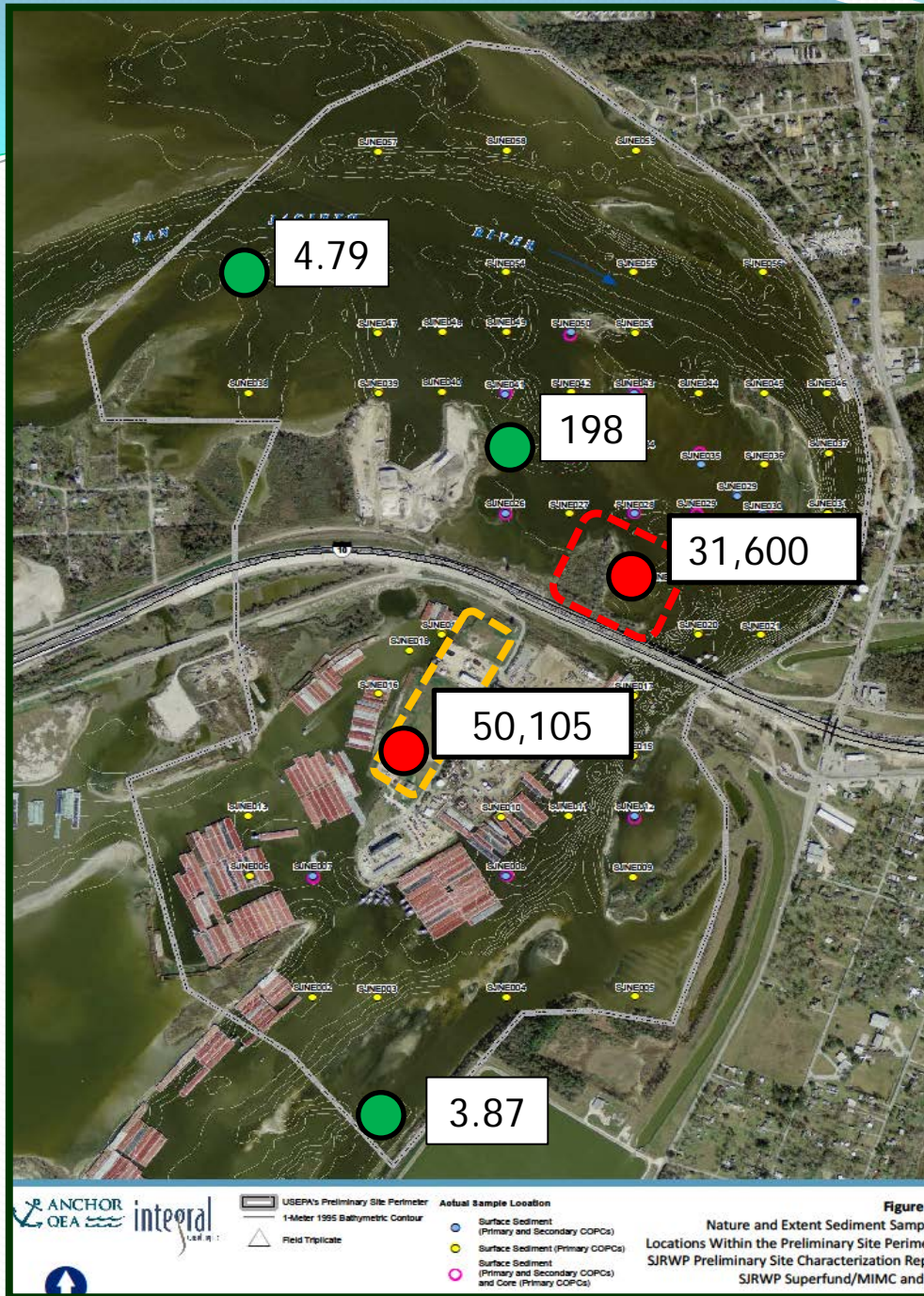


Approximate Limit of Armored Cap

Cap Construction Completed July 12, 2011

San Jacinto River Waste Pits Site

291 Surface & subsurface sediment samples within preliminary site boundary.



Waste Pits

Southern Impoundment

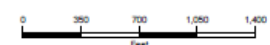
Sediment - ng/kg TEQ_{DF}
Dioxin

San Jacinto River Waste Pits

August 2011 Residential Soil
Samples for Dioxin
and Furan Analysis

● ≤ 50 ppt TEQ Dioxin/Furan

- Sample Location
- Zero Ft. Contour
- Northern Impoundment
- Southern Impoundment
- 100 Yr. Floodplain

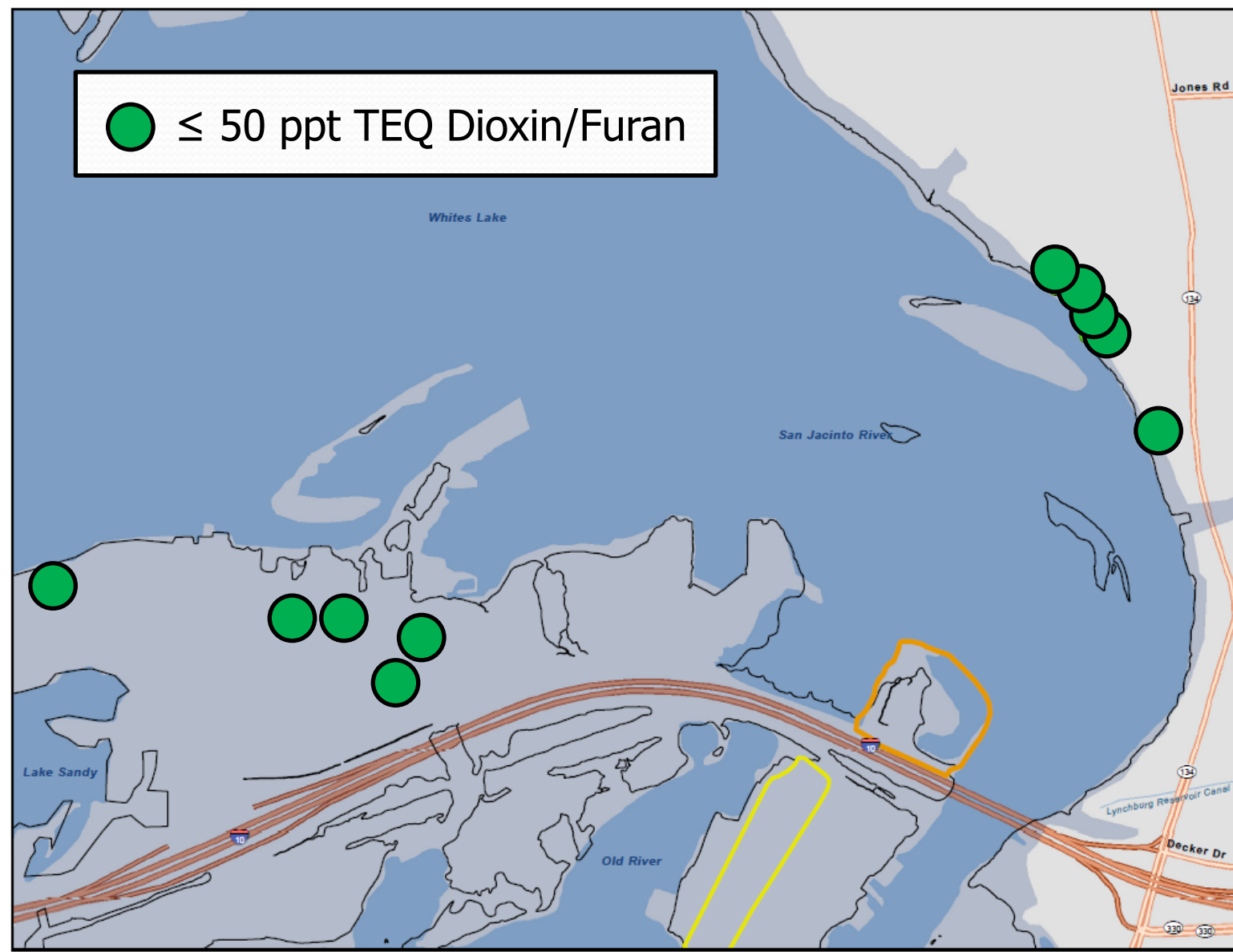


Sources:
Sample Locations: Anchor QEA.
Zero Ft. Contour: Anchor QEA.
Impoundment Perimeters: EPA Region 6.
100 Yr. Floodplain: Anchor QEA.
Background Roads: ESRI Streetmap.

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accuracy of the data or its suitability
for any particular use.

Map created: September 19, 2011

EPA Region 6
Superfund Division
Dallas, Texas
20110919BG01



San Jacinto River Waste Pits Draft Feasibility Study

Preliminary Action Levels:

- 220 ng/kg (sediment outside of cap – recreational visitor).
- 450 ng/kg (soil in Southern Impoundment – construction worker).
- 1,300 ng/kg (soil/sediment within cap – industrial/commercial worker).

San Jacinto River Waste Pits Draft Feasibility Study

Remediation Alternatives (major components):

- Alt. 1: No further action.
- Alt. 2: Institutional Controls & monitoring.
- Alt. 3: Cap upgrades.
- Alt. 4: Partial (25%) solidification.
- Alt. 5: Partial (25%) removal.
- Alt. 6: Full removal down to 220 ng/kg.

Cap Improvements

- 2 mo. construction
- \$2.9 MM